## ABSTRACT OF THE DISCLOSURE

A single crystal <u>of quartz</u> thin film and a production method therefor are provided. A method for producing a [crystal] <u>quartz</u> epitaxial thin film comprises the steps of vaporizing a silicon alkoxide as a silicon source under atmospheric pressure to introduce the silicon alkoxide to a substrate with hydrogen chloride as a reaction promoter, and reacting ethyl silicate with oxygen to deposit a [crystal] <u>quartz</u> on the substrate. The single crystal <u>of quartz</u> thin film has excellent crystalinity, and optical properties.